

Title	Template for DRH Database
Author(s)	
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Template for DRH Database (ver.7.3)

Disaster Reduction Technology and Knowledge under Implementation Strategies

I. Heading	
1. Title	
2. Major significance (summary less than 60 words)	
3. Keywords	
II. Categories (Multiple answers allowed)	
4. Focus of this information Instruction for writers: - For definitions, see the DRH website. http://drh.edm.bosai.go.jp/	<input type="checkbox"/> Implementation Oriented Technology <input type="checkbox"/> Process Technology <input type="checkbox"/> Transferable indigenous knowledge
<div style="display: flex;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); background-color: #f2f2f2; padding: 5px; margin-right: 5px;">5. Anticipated users</div> <div> 5-1. Practitioners - Mark main and sub categories freely. There are no hierarchical rules. - Items of "experts" may overlap with other categories. In that case, mark both categories. </div> </div>	<input type="checkbox"/> Community leaders (voluntary base) <input type="checkbox"/> Administrative officers <div style="margin-left: 20px;"> <input type="checkbox"/> Municipalities <input type="checkbox"/> National governments and other intermediate government bodies (state, prefecture, district, etc.) </div> <input type="checkbox"/> NGO/NPO project managers and staff <input type="checkbox"/> International organizations (UN organizations and programmers, WB, ADRC, EC, etc.) <input type="checkbox"/> Commercial entrepreneurs <input type="checkbox"/> Financing and insurance business personnel <input type="checkbox"/> Experts <div style="margin-left: 20px;"> <input type="checkbox"/> Teachers and educators <input type="checkbox"/> Architects and engineers <input type="checkbox"/> Sociologists and political economists <input type="checkbox"/> Information technology specialists <input type="checkbox"/> Urban planners <input type="checkbox"/> Rural planners <input type="checkbox"/> Environmental/Ecological specialists </div> <input type="checkbox"/> Others (Explain using the blank space below.) <div style="background-color: #f2f2f2; height: 40px; margin-top: 5px;"></div>
<div style="display: flex;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); background-color: #f2f2f2; padding: 5px; margin-right: 5px;">5. Anticipated users</div> <div> 5-2. Other users </div> </div>	<input type="checkbox"/> Policy makers <input type="checkbox"/> Motivated researchers <input type="checkbox"/> Local residents

6. Hazards focused - Secondary hazard should be included in the categories of the original hazards. - Multi-hazard approach: Initiatives that focus on the combined risks of all hazards likely to occur in a given region.		<input type="checkbox"/> Earthquake <input type="checkbox"/> Tsunami <input type="checkbox"/> Volcanic eruption <input type="checkbox"/> Landslide <input type="checkbox"/> Mudflow <input type="checkbox"/> Dust storm <input type="checkbox"/> Cold wave <input type="checkbox"/> Heat wave <input type="checkbox"/> Zud <input type="checkbox"/> Cyclone/ Typhoon <input type="checkbox"/> Storm surge <input type="checkbox"/> Flood <input type="checkbox"/> Flash flood <input type="checkbox"/> Glacial Lake Outburst Flood (GLOF) <input type="checkbox"/> Snow avalanches <input type="checkbox"/> Epidemic <input type="checkbox"/> Wildfire <input type="checkbox"/> Drought <input type="checkbox"/> Desertification <input type="checkbox"/> Climate change impact <input type="checkbox"/> Land degradation <input type="checkbox"/> Multi-hazard (Multi-hazard approach) <input type="checkbox"/> Others (Explain using the blank space below. Other hazards, disaster chains, etc.)
7. Elements at risk		<input type="checkbox"/> Human lives <input type="checkbox"/> Human networks in local communities <input type="checkbox"/> Business and livelihoods <input type="checkbox"/> Infrastructure <input type="checkbox"/> Buildings <input type="checkbox"/> Information and communication system <input type="checkbox"/> Urban areas <input type="checkbox"/> Rural areas <input type="checkbox"/> Coastal areas <input type="checkbox"/> River banks and fluvial basin <input type="checkbox"/> Mountain slopes <input type="checkbox"/> Agricultural lands <input type="checkbox"/> Cultural heritages <input type="checkbox"/> Others (Explain using the blank space below.)
III. Contact Information		
8. Proposer(s) information (Writer(s) of this template) - Name(s), position and affiliation, and other information (at least one of mailing address, e-mail address, tel. & fax.) are required.		
9. Place where the technology/ knowledge originated	9-1. Country(ies)	
	9-2. Location(s)	

10. Names and institutions of technology/knowledge developers	
11. Title of relevant projects if any	
12. References and publications	
13. Note on ownership if any	
IV. Background	
14. Disaster events and/or societal circumstances, which became the driving force either for developing the technology/knowledge or enhancing its practice	
V. Descriptions	
15. Feature and attribute (Aim and key mechanism to achieve the aim)	
16. Necessary process to implement (Procedure and major actors)	
17. Strength and limitations (Positive and negative sides)	

18. Lessons learned through implementation if any	
VI. Resources required	
19. Facilities and equipments required	
20. Costs, organization, manpower, etc.	
VII. Message from the proposer (if any)	
Instruction for writers: Any message from you to readers regarding intention, interpretation, utilization, etc. of this technology/knowledge.	
21. Your message	
VIII. Self evaluation in relation to applicability	
22. How do you evaluate the technology/knowledge that you have proposed? Instruction for writers: - Only a single answer allowed	<p><u>"It is a technology/knowledge that..."</u></p> <p><input type="checkbox"/> a. has high application potential verified by implementation in various field sites.</p> <p><input type="checkbox"/> b. has fair applicability demonstrated by implementation in one or more field sites.</p> <p><input type="checkbox"/> c. is shown to be effective based on case studies/experiments in field sites.</p> <p><input type="checkbox"/> d. is shown to be effective based so far only on scientific experiments in laboratory.</p> <p><input type="checkbox"/> e. Others (Explain using the blank space below.)</p>
23. Notes on the applicability if any	

IX. Application examples			
Instruction for writers: - Fill in this section with the examples that the technology/knowledge was applied to any fields. You may also write about ongoing projects. - Writers who marked “a” and “b” in Section VIII are expected to provide as many examples as possible. Those who marked “c” to “e” are also strongly recommended to fill in here, but not compulsory.			
No.1 (E1)			
E1-1. Project name if available			
E1-2. Place - Specify as much as possible.			
E1-3. Year		E1-4. Investor	
E1-5. People involved - Indicate all contributors with their titles when available.			
E1-6. Monetary costs incurred - Show the breakdown with approximate cost for each facility or equipment, if possible.			
E1-7. Total workload required (Time frame and human resources)			
E1-8. Evidence of positive results (Tangible / intangible)			
No.2 (E2)			
E2-1. Project name if available			
E2-2. Place - Specify as much as possible.			
E2-3. Year		E2-4. Investor	
E2-5. People involved - Indicate all contributors with their titles when available.			
E2-6. Monetary costs incurred - Show the breakdown with approximate cost for each facility or equipment, if possible.			
E2-7. Total workload required (Time frame and human resources)			
E2-8. Evidence of positive results (Tangible / intangible)			
No.3 (E3)			
E3-1. Project name if available			
E3-2. Place - Specify as much as possible.			
E3-3. Year		E3-4. Investor	
E3-5. People involved - Indicate all contributors with their titles			

when available.			
E3-6. Monetary costs incurred - Show the breakdown with approximate cost for each facility or equipment, if possible.			
E3-7. Total workload required (Time frame and human resources)			
E3-8. Evidence of positive results (Tangible / intangible)			
No.4 (E4)			
E4-1. Project name if available			
E4-2. Place - Specify as much as possible.			
E4-3. Year		E4-4. Investor	
E4-5. People involved - Indicate all contributors with their titles when available.			
E4-6. Monetary costs incurred - Show the breakdown with approximate cost for each facility or equipment, if possible.			
E4-7. Total workload required (Time frame and human resources)			
E4-8. Evidence of positive results (Tangible / intangible)			
No.5 (E5)			
E5-1. Project name if available			
E5-2. Place - Specify as much as possible.			
E5-3. Year		E5-4. Investor	
E5-5. People involved - Indicate all contributors with their titles when available.			
E5-6. Monetary costs incurred - Show the breakdown with approximate cost for each facility or equipment, if possible.			
E5-7. Total workload required (Time frame and human resources)			
E5-8. Evidence of positive results (Tangible / intangible)			
X. Other related parallel initiatives (if any)			
XI. Remarks for version upgrade			